

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/04101

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H05K13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ H05K13/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Jitsuyo Shinan Toroku Koho	1996-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Toroku Jitsuyo Shinan Koho	1994-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001-15995 A (Matsushita Electric Industrial Co., Ltd.), 03 August, 2001 (03.08.01), (Family: none)	1-4, 8-21
X	WO 99/62314 A2 (SIMENS AG.), 02 December, 1999 (02.12.99), & JP 2002-517104 A	1-7, 20, 21
X	JP 8-139500 A (TDK Corp.), 31 May, 1996 (31.05.96); (Family: none)	1, 2, 13-21

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
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 "&" document member of the same patent family

Date of the actual completion of the international search
20 May, 2003 (20.05.03)

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03 June, 2003 (03.06.03),

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.